

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 3928705**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: Cliff E. Berkman  
Degrees: Ph.D.  
Position Title: Professor  
Department/Division: Chemistry  
Mailing Address: Cliff Berkman Department of Chemistry Washington State  
University PULLMAN, WA 99164-4630  
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Email Address: cberkman@wsu.edu

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: Washington State University  
Address: Office of Grants and Research Development; 423 Neill Hall,  
Room 423  
PO Box 643140  
City/State/Zip: Pullman, WA, 99164  
Legislative District (WA): 9  
County: WHITMAN  
Organization Type – General: State  
Organization Type – Other:  
Organization Type – Specific: Public Educational Institution  
Organization Type – Other:  
Authorized Individual Name: Dan Nordquist  
Authorized Individual Title: Director, Office of Grants & Research Development  
Authorized Individual Email: nordquist@officeofresearch.wsu.edu

**PROJECT INFORMATION**

Title: Imaging Angiogenesis in Solid Tumors  
Funding Request Period: 8/1/2010 - 7/31/2011  
Requested Funding Amount: \$ 150000  
Pre-Proposal Request ID: 3871378  
Is this a resubmission? No  
What was the previous LSDF  
competition?  
Human Subjects: No  
Vertebrate Animals: Yes  
Conflict of Interest: Yes

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 3934215**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: Carli Deann Hoaglan  
Degrees: MD, BS  
Position Title: Faculty Anesthesiologist  
Department/Division: Department of Anesthesiology  
Mailing Address: Mailstop: B2-AN1100 Ninth AvenueSeattle, WA 98101-2756  
Telephone: 206-223-6980  
Email Address: Carli.Hoaglan@vmmc.org

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: Benaroya Research Institute at Virginia Mason  
Address: 1201 9th Avenue  
City/State/Zip: SEATTLE, WA, 98101-2795  
Legislative District (WA): 43  
County: KING  
Organization Type – General: Private Non-Profit Entity  
Organization Type – Other:  
Organization Type – Specific: Research Institute  
Organization Type – Other:  
Authorized Individual Name: Jack Nagan, J.D.  
Authorized Individual Title: Executive Director, Benaroya Research Institute  
Authorized Individual Email: jnagan@benaroyaresearch.org

**PROJECT INFORMATION**

Title: A novel device displaying real-time continuous pressure readings during central venous catheter placement.  
Funding Request Period: 11/1/2010 - 10/31/2011  
Requested Funding Amount: \$ 98507  
Pre-Proposal Request ID: 3871041  
Is this a resubmission? No  
What was the previous LSDF competition?  
Human Subjects: Yes  
Vertebrate Animals: No  
Conflict of Interest: Yes

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 3941918**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: Karl Richard Englund  
Degrees: Phd  
Position Title: Assistant Research Professor and Extension Specialist  
Department/Division: Composite Materials and Engineering Center  
Mailing Address: 1445 Terre View Dr. Suite BPullman, WA 99164-1806  
Telephone: 5093356259  
Email Address: englund@wsu.edu

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: Washington State University  
Address: Office of Grants and Research Development; 423 Neill Hall,  
Room 423  
PO Box 643140  
City/State/Zip: Pullman, WA, 99164  
Legislative District (WA): 9  
County: WHITMAN  
Organization Type – General: State  
Organization Type – Other:  
Organization Type – Specific: Public Educational Institution  
Organization Type – Other:  
Authorized Individual Name: Daniel Nordquist  
Authorized Individual Title: Dir. of Grant and Research Development  
Authorized Individual Email: nordquist@wsu.edu

**PROJECT INFORMATION**

Title: the use of phosphate-based cementitious composites (PCC) for  
radiation shielding applications in the medical industry  
Funding Request Period: 8/16/2010 - 8/15/2011  
Requested Funding Amount: \$ 148010  
Pre-Proposal Request ID: 3872957  
Is this a resubmission? No  
What was the previous LSDF  
competition?  
Human Subjects: No  
Vertebrate Animals: No  
Conflict of Interest: Yes

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 3948589**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: David Thor Linker  
Degrees: M.D., M.S.E.  
Position Title: Associate Professor  
Department/Division: Internal Medicine/Cardiology  
Mailing Address: 1959 NE Pacific, AA510BBox 356422Seattle, WA 98195-6422  
Telephone: 206-685-0125  
Email Address: dtlinker

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: University of Washington  
Address: 4333 Brooklyn Ave NE  
Box 359472  
City/State/Zip: Seattle, WA, 98195-9472  
Legislative District (WA): 43  
County: KING  
Organization Type – General: State  
Organization Type – Other: Public  
Organization Type – Specific: Public Educational Institution  
Organization Type – Other: Public  
Authorized Individual Name: Lynne Chronister  
Authorized Individual Title: Director, Office of Sponsored Programs  
Authorized Individual Email: osp@u.washington.edu

**PROJECT INFORMATION**

Title: Screening for a preventable cause of stroke  
Funding Request Period: 9/1/2010 - 8/31/2011  
Requested Funding Amount: \$ 150000  
Pre-Proposal Request ID: 3877589  
Is this a resubmission? No  
What was the previous LSDF competition?  
Human Subjects: Yes  
Vertebrate Animals: No  
Conflict of Interest: Yes

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 3983577**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: Rodney J.Y. Ho  
Degrees: PhD  
Position Title: Milo Gibaldi Endowed Professor  
Department/Division: Pharmaceutics  
Mailing Address: Department of Pharmaceutics BOX 357610 University of  
Washington Seattle, WA 98195-7610  
Telephone: 206 543-3796  
Email Address: rodneyho@uw.edu

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: University of Washington  
Address: 4333 Brooklyn Ave NE  
Box 359472  
City/State/Zip: Seattle, WA, 98195-9472  
Legislative District (WA): 43  
County: KING  
Organization Type – General: State  
Organization Type – Other: Public  
Organization Type – Specific: Public Educational Institution  
Organization Type – Other: Public  
Authorized Individual Name: Rodney J.Y. Ho  
Authorized Individual Title: Milo Gibaldi Endowed Professor  
Authorized Individual Email: rodneyho@uw.edu

**PROJECT INFORMATION**

Title: Gadolinium-lipid nanoparticles for more effective and safe  
medical diagnosis with MRI  
Funding Request Period: 8/1/2010 - 7/31/2011  
Requested Funding Amount: \$ 150000  
Pre-Proposal Request ID: 3845505  
Is this a resubmission? No  
What was the previous LSDF  
competition?  
Human Subjects: No  
Vertebrate Animals: Yes  
Conflict of Interest: Yes

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 3991720**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: Harlan S. Robins  
Degrees: PhD  
Position Title: Assistant Member  
Department/Division: Computational Biology  
Mailing Address: Fred Hutchinson Cancer Research Center 1100 Fairview Ave.  
N.M/S: M1-B514 Seattle, WA 98109-1024  
Telephone: 206-667-2571  
Email Address: hrobins@fhcrc.org

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: Fred Hutchinson Cancer Research Center  
Address: 1100 Fairview Ave N, J6-500  
PO Box 19024  
City/State/Zip: Seattle, WA, 98109-1024  
Legislative District (WA): 43  
County: KING  
Organization Type – General: Private Non-Profit Entity  
Organization Type – Other:  
Organization Type – Specific: Research Institute  
Organization Type – Other:  
Authorized Individual Name: Harlan S. Robins  
Authorized Individual Title: Assistant Member  
Authorized Individual Email: hrobins@fhcrc.org

**PROJECT INFORMATION**

Title: High-Throughput Sequencing of T-Cell Receptors  
Funding Request Period: 8/1/2010 - 7/31/2011  
Requested Funding Amount: \$ 150000  
Pre-Proposal Request ID: 3844921  
Is this a resubmission? No  
What was the previous LSDF competition?  
Human Subjects: Yes  
Vertebrate Animals: No  
Conflict of Interest: Yes

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 3992770**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: Thomas N. Wight  
Degrees: PhD  
Position Title: Member  
Department/Division: Director, Hope Heart Program  
Mailing Address: Benaroya Research Institute at Virginia Mason  
1201 Ninth Avenue  
Seattle, WA 98101  
Telephone: (206) 341-1377  
Email Address: twight@benaroyaresearch.org

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: Benaroya Research Institute at Virginia Mason  
Address: 1201 9th Avenue  
City/State/Zip: SEATTLE, WA, 98101-2795  
Legislative District (WA): 43  
County: KING  
Organization Type – General: Private Non-Profit Entity  
Organization Type – Other:  
Organization Type – Specific: Research Institute  
Organization Type – Other:  
Authorized Individual Name: Jack Nagan  
Authorized Individual Title: Executive Director  
Authorized Individual Email: grants@benaroyaresearch.org

**PROJECT INFORMATION**

Title: Targeting the versican V3 protein as a therapeutic for  
saphenous vein graft bypass failure  
Funding Request Period: 8/1/2010 - 7/31/2011  
Requested Funding Amount: \$ 150000  
Pre-Proposal Request ID: 3868007  
Is this a resubmission? No  
What was the previous LSDF  
competition?  
Human Subjects: Yes  
Vertebrate Animals: No  
Conflict of Interest: Yes

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 3999857**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: Julie Brown  
Degrees: MD, MPH  
Position Title: Assistant Professor  
Department/Division: Emergency Medicine  
Mailing Address: Seattle Children's Hospital 4800 Sand Point Way NEM/S: B-  
5520 Seattle, WA 98105  
Telephone: 206-987-4016  
Email Address: julie.brown@seattlechildrens.org

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: Seattle Children's Hospital  
Address: Office of Sponsored Research, 4800 Sand Point Way NE, MS:  
MPW5-1  
City/State/Zip: Seattle, WA, 98105  
Legislative District (WA): 46  
County: KING  
Organization Type – General: Private Non-Profit Entity  
Organization Type – Other:  
Organization Type – Specific: Hospital  
Organization Type – Other:  
Authorized Individual Name: Julie Brown  
Authorized Individual Title: Assistant Professor  
Authorized Individual Email: julie.brown@seattlechildrens.org

**PROJECT INFORMATION**

Title: A Randomized Clinical Trial of Pediatric Lumbar Puncture  
Success using The Compass, a Compact Quantitative Pressure  
Transducer  
Funding Request Period: 8/1/2010 - 7/31/2011  
Requested Funding Amount: \$ 150000  
Pre-Proposal Request ID: 3866028  
Is this a resubmission? No  
What was the previous LSDF  
competition?  
Human Subjects: Yes  
Vertebrate Animals: No  
Conflict of Interest: Yes

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 4000708**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: Gonzalo Jose Domingo  
Degrees: Ph.D.  
Position Title: Research Scientist  
Department/Division: Technology Solutions  
Mailing Address: P.O. Box 900922Seattle, Washington 98109  
Telephone: 206-285-3500  
Email Address: gdomingo@path.org

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: Program for Appropriate Technology in Health (PATH)  
Address: 1455 NW LEARY WAY  
City/State/Zip: SEATTLE, WA, 98107-5136  
Legislative District (WA): 36  
County: KING  
Organization Type – General: Private Non-Profit Entity  
Organization Type – Other: Global Health Research Institute  
Organization Type – Specific: Other  
Organization Type – Other: Global Health Research Institute  
Authorized Individual Name: Marlow Kee  
Authorized Individual Title: Director of Finance  
Authorized Individual Email: mkee@path.org

**PROJECT INFORMATION**

Title: Leukocyte Sample Preparation Method  
Funding Request Period: 8/1/2010 - 7/31/2011  
Requested Funding Amount: \$ 149999  
Pre-Proposal Request ID: 3877874  
Is this a resubmission? No  
What was the previous LSDF competition?  
Human Subjects: No  
Vertebrate Animals: No  
Conflict of Interest: Yes

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 4009341**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: Diane J Cook  
Degrees: BS, MS, Ph.D.  
Position Title: Huie-Rogers Chair Professor  
Department/Division: School of Computer Science and Electrical Engineering  
Mailing Address: EME 121 Spokane Street Box 642752 Washington State  
University Pullman, Wa 99164-2752  
Telephone: 509-335-3818  
Email Address: cook@eecs.wsu.edu

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: Washington State University  
Address: Office of Grants and Research Development; 423 Neill Hall,  
Room 423  
PO Box 643140  
City/State/Zip: Pullman, WA, 99164  
Legislative District (WA): 9  
County: WHITMAN  
Organization Type – General: State  
Organization Type – Other:  
Organization Type – Specific: Public Educational Institution  
Organization Type – Other:  
Authorized Individual Name: Dan Nordquist  
Authorized Individual Title: Director, Office of Grants and Research Development  
Authorized Individual Email: ogrd@wsu.edu

**PROJECT INFORMATION**

Title: Designing and Commercializing Smart Health Monitoring  
Technologies for Easy Use in Private Residences  
Funding Request Period: 9/1/2010 - 8/31/2011  
Requested Funding Amount: \$ 149730  
Pre-Proposal Request ID: 3876920  
Is this a resubmission? No  
What was the previous LSDF  
competition?  
Human Subjects: No  
Vertebrate Animals: No  
Conflict of Interest: Yes

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 4009401**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: Eric J. Seibel  
Degrees: PhD, MS, BS  
Position Title: Research Associate Professor  
Department/Division: Mechanical Engineering  
Mailing Address: 204 Fluke Hall, Mason Road UW Mailbox 352600 University of  
Washington Seattle, WA 98195-2600  
Telephone: 2066161486  
Email Address: eseibel@u.washington.edu

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: University of Washington  
Address: 4333 Brooklyn Ave NE  
Box 359472  
City/State/Zip: Seattle, WA, 98195-9472  
Legislative District (WA): 43  
County: KING  
Organization Type – General: State  
Organization Type – Other: Public  
Organization Type – Specific: Public Educational Institution  
Organization Type – Other: Public  
Authorized Individual Name: Lynne Chronister  
Authorized Individual Title: Director, Office of Sponsored Programs  
Authorized Individual Email: osp@u.washington.edu

**PROJECT INFORMATION**

Title: Laser imaging for early caries detection and cost-effective oral  
health  
Funding Request Period: 10/1/2010 - 9/30/2011  
Requested Funding Amount: \$ 150000  
Pre-Proposal Request ID: 3876999  
Is this a resubmission? No  
What was the previous LSDF  
competition?  
Human Subjects: No  
Vertebrate Animals: No  
Conflict of Interest: Yes

**LSDF 2010 COMMERCIALIZATION GRANT FULL PROPOSAL  
CONFIDENTIAL TO LIFE SCIENCES DISCOVERY FUND  
REQUEST ID: 4016806**

**PRINCIPAL INVESTIGATOR INFORMATION**

Principal Investigator: Randal P. Ching  
Degrees: B.S., M.S., Ph.D.  
Position Title: Research Associate Professor  
Department/Division: Dept. of Mechanical Engineering  
Mailing Address: UW Applied Biomechanics Laboratory 501 East Lake Ave E, Suite  
102 Seattle, WA 98109  
Telephone: 206-625-0756  
Email Address: rc@u.washington.edu

**APPLICANT ORGANIZATION INFORMATION**

Organization Legal Name: University of Washington  
Address: 4333 Brooklyn Ave NE  
Box 359472  
City/State/Zip: Seattle, WA, 98195-9472  
Legislative District (WA): 43  
County: KING  
Organization Type – General: State  
Organization Type – Other: Public  
Organization Type – Specific: Public Educational Institution  
Organization Type – Other: Public  
Authorized Individual Name: Lynne Chronister  
Authorized Individual Title: Director, UW Office of Sponsored Programs  
Authorized Individual Email: osp@u.washington.edu

**PROJECT INFORMATION**

Title: Evaluation of a Seating Technology for Improving Core  
Stabilization to Treat/Prevent Low Back Pain  
Funding Request Period: 8/1/2010 - 7/31/2011  
Requested Funding Amount: \$ 150000  
Pre-Proposal Request ID: 3874063  
Is this a resubmission? Yes  
What was the previous LSDF  
competition? 2009 Summer Commercialization  
Human Subjects: Yes  
Vertebrate Animals: No  
Conflict of Interest: Yes